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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2012 United States Special Operations Command **DATE:** February 2011

**APPROPRIATION/BUDGET ACTIVITY**

0400: *Research, Development, Test & Evaluation, Defense-Wide*  
BA 7: *Operational Systems Development*

**R-1 ITEM NOMENCLATURE**

PE 1160476BB: *SOF Tactical Radio Systems*

<b>COST (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	56.279	2.347	-	-	-	-	-	-	-	Continuing	Continuing
S725: <i>SOF Tactical Radio Systems</i>	56.279	2.347	-	-	-	-	-	-	-	Continuing	Continuing

**A. Mission Description and Budget Item Justification**

This program element is for development of all SOF tactical radio programs. The SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require radio communication equipment that improves their warfighting capability without degrading their mobility. United States Special Operations Command has developed an overall strategy to ensure that Tactical Radio Systems continue to provide SOF with the required capabilities throughout the 21st century. The Tactical Radios provide the critical Command, Control, and Communication (C3) link between SOF Commanders and SOF Teams involved in overseas contingency operations (OCO) and training exercises. They also provide interoperability with all Services, various agencies of the U.S. Government, Air Traffic Control, commercial agencies, and allied foreign forces. Tactical Radios rapidly and seamlessly establish and maintain mobile and fixed Command and Control communications between infiltrated/operational elements and higher echelon headquarters, allowing SOF to operate with any force combination in multiple environments.

**B. Program Change Summary (\$ in Millions)**

	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
Previous President's Budget	2.358	2.347	-	-	-
Current President's Budget	56.279	2.347	-	-	-
Total Adjustments	53.921	-	-	-	-
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	53.996	-			
• SBIR/STTR Transfer	-0.075	-			
• Other Adjustment	-	-	-	-	-

**Change Summary Explanation**

Funding:

FY 2010 Net increase of \$53.921 due to two Above Threshold Reprogramming actions (FY 10-23 PA, dated 27 September 2010 and FY 10-14 PA, dated 23 September 2010) to support software waveform development for numerous handheld and man pack tactical radios (\$53.996 million), and a transfer of funds to Small Business Innovative Research (-\$.075 million).

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APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 1160476BB: SOF Tactical Radio Systems	
FY 2011 None.		
FY 2012 None.		
Schedule: None		
Technical: None		

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Exhibit R-2A, RDT&E Project Justification: PB 2012 United States Special Operations Command								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 1160476BB: SOF Tactical Radio Systems				PROJECT S725: SOF Tactical Radio Systems			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
S725: SOF Tactical Radio Systems	56.279	2.347	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
This project is for development of all SOF tactical radio programs. The SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require radio communication equipment that improves their warfighting capability without degrading their mobility. United States Special Operations Command has developed an overall strategy to ensure that Tactical Radio Systems continue to provide SOF with the required capabilities throughout the 21st century. The Tactical Radios provide the critical Command, Control, and Communication link between SOF Commanders and SOF Teams involved in overseas contingency operations (OCO) and training exercises. They also provide interoperability with all Services, various agencies of the U.S. Government, Air Traffic Control, commercial agencies, and allied foreign forces. Tactical Radios rapidly and seamlessly establish and maintain mobile and fixed Command and Control communications between infiltrated/operational elements and higher echelon headquarters, allowing SOF to operate with any force combination in multiple environments.											
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Special Mission Radio System							56.279	2.347	-	-	-
FY 2010 Accomplishments: Developed and tested Low Probability of Intercept/Low Probability of Detection (LPI/LPD) transceiver board upgrades and waveforms for SOCOM tactical radio application. Developed Advanced Special Communications Mode for SOF to ensure SOF radios continue to be interoperable with the latest devices.											
FY 2011 Plans: Continues developing and testing LPI/LPD transceiver board upgrades and waveforms for SOCOM tactical radio application.											
Accomplishments/Planned Programs Subtotals							56.279	2.347	-	-	-

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 United States Special Operations Command							<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide</i> BA 7: <i>Operational Systems Development</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 1160476BB: <i>SOF Tactical Radio Systems</i>			<b>PROJECT</b> S725: <i>SOF Tactical Radio Systems</i>	

**C. Other Program Funding Summary (\$ in Millions)**

<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u> <u>Base</u>	<u>FY 2012</u> <u>OCO</u>	<u>FY 2012</u> <u>Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• PROC1: <i>SOF TACTICAL RADIO SYSTEMS</i>	57.707	39.219	76.459	2.894	79.353	72.811	65.748	56.584	58.876	Continuing	Continuing

**D. Acquisition Strategy**

N/A

**E. Performance Metrics**

N/A

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